Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/21/2017 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124449	-1	1.42	124267	1.35
Blue	F	SSC	125000	123327	-2	3.11	123583	2.88
Blue	E	FITC	23355	22779	-3	2.42	1014	10.23
Blue	D	PE	28848	28340	-2	1.91	1022	9.58
Blue	B	PerCP-Cy5-5	47791	47304	-2	3.29	1356	16.31
Blue	A	PE-Cy7	41358	40968	-1	5.00	637	34.99
Red	C	APC	51316	51004	-1	2.72	2945	9.40
Red	A	APC-Cy7	53225	52554	-2	2.75	1086	11.23
Violet	B	V450	14473	13768	-5	3.66	664	9.13
Violet	A	V500	59973	59112	-2	3.35	2627	6.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19968	3.00	606	8	N/A	N/A	Pass
Blue	F	SSC	61275	1.75	539	5	N/A	N/A	Pass
Blue	E	FITC	116	43.80	542	-2	0.0225	560	Pass
Blue	D	PE	227	29.31	537	-1	0.1790	319	Pass
Blue	B	PerCP-Cy5-5	215	44.57	627	-3	0.0111	166	Pass
Blue	A	PE-Cy7	71	115.31	679	-2	0.0121	14	Pass
Red	C	APC	349	27.58	590	-4	0.0206	90	Pass
Red	A	APC-Cy7	119	40.30	570	-6	0.0055	1556	Pass
Violet	B	V450	80	43.51	468	-3	0.0416	1827	Pass
Violet	A	V500	191	24.26	500	-1	0.0142	797	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.16	-31.65	0.87
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.32
Red	19.20	13.27 - 19.91	N/A	N/A	31.70	32.19	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9530

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments